International application No. PCT/SE 03/00856

A. CLASS	SIFICATION OF SUBJECT MATTER	31/41,78,31/4196,	·				
A. CLASSIFICATION OF SUBJECT MATTER.  CO7D 209/30, 403/12, 417/12, 413/12, A61K 31/405, 31/41,78, 31/4196,  CO7D 209/30, 403/12, 417/12, 413/12, A61K 31/405, 31/41,78, 31/4196,  IPC7 31/422,31/4709,31/427, A61P 11/06,11/00,29/00							
IPC7 31/422,31/4709,31/427, AG1r 11/00,11/00,25/00 According to International Patent Classification (IPC) or to both national classification and IPC							
	CEARCHED						
Minimum d	ocumentation searched (classification system followed by	classification symbols)					
IPC7: 0	CO7D, A61K	the second secon	the fields searched				
Documentat	tion searched other than minimum documentation to the	extent that such documents are included in	I the years somewhat				
SE,DK,	FI,NO classes as above	1 mariable conto	terms used)				
Electronic d	ata base consulted during the international search (name	of data pase and, where practicable, tem c					
EPO-IN	TERNAL, WPI DATA, CHEM.ABS DATA, P.	AJ					
C. DOCU	MENTS CONSIDERED TO BE RELEVANT		Relevant to claim No.				
Category*	Citation of document, with indication, where app	ropriate, of the relevant passages	Relevant to claim 140.				
Х	STN International, File CAPLUS,	CAPLUS accession	10				
^	l no 1977.535057. Document no	· 0/:10000/ 0011/30	**				
	Co., Ltd.: "3-Indolyl thio e JP,A2,52039671, 19770328, RN	64137-76-4,					
	54491-43-9, 56366-45-1		;				
Х	STN International, File CAPLUS,	CAPLUS accession	10				
	no. 2001:338492, Document no. 134:353315, Wakunaga Pharmaceutical Co., Ltd.: "Preparation of indole						
	l deminstrac ac chymase 18810	Ttors and drugs					
•	l containing the same as the a	Ctive illatentence					
	8 WO,A1,2001032621, 20010510	, RN 64137-76-4,					
	336186-33-5						
	·						
			•				
X Furth	ler documents are listed in the continuation of Box	C. See patent family annual					
* Special categories of cited documents:  To later document published after the international filing date or priority and the property of the special categories of cited documents.  To later document published after the international filing date or priority date and not in conflict with the application but cited to understand date and not in conflict with the application but cited to understand the principle or theory underlying the invention							
to be of perficular recognition or patent but published on or after the international "X" document of particular relevance: the claimed invention cannot be considered novel or cannot be considered to involve an inventive							
filing date  "L" document which may throw doubts on priority claim(s) or which is step when the document is taken alone step when the document is taken alone of the document is taken alone.  "L" document of particular relevance: the claimed invention cannot be document of particular relevance: the claimed invention cannot be document.							
special reason (as specified)  "O" document referring to an oral disclosure, use, exhibition or other combined with one or more other such documents, such combination or other being objects to a person skilled in the art							
p docum	ent published prior to the international filing date but later than	"&" document member of the same pater					
Date of th	ority date claimed c actual completion of the international search	Date of mailing of the international	search report				
}	• 1	0 2 -09- 2003					
29 August 2003 Name and mailing address of the ISA/ Authorized officer							
Swedish	Patent Office						
Box 5055	, S-102 42 STOCKHOLM	Gerd Strandell/Els Telephone No. +46.8 782 25 00					

International application No. PCT/SE 03/00856

	ation). DOCUMENTS CONSIDERED TO BE RELEVANT	
	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
Category*	Citation of document, with indication, where appropriated	
X	Tetrahedron Letters, Vol. 26, no. 15, 1985, Josefina Garcia et al: "A novel synthesis of 3-cyanoindoles and a new route to indole-3-carboxylic acid derivatives!", page 1827 -	10
	page 1830, RN 98508-73-7, page 1828, no. 7,1,5	
A		1 <b>-</b> 5
	<b></b>	
<b>X</b>	STN International, File CAPLUS, CAPLUS accession no. 1988:549279, Document no. 109:149279, Atkinson, Joseph G. et al: "A new synthesis of 3-arylthioindoles"; & Synthesis (1988), (6), 480-1	10
X	J. Org. Chem., Vol. 66, no. 7, 2001, Masato Matsugi et al: "Facile and Efficient Sulfenylation Method Using Quinone Mono-O,S-Acetals under Mild Conditions", page 2434 - page 2441, page 2436,	10
•	table 4, 11a, b, c, e, f	
X	Tetrahedron Letters, Vol. 42, no. 6, 2001, Masato Matsugi et al: "An efficient sulfenylation of aromatics using highly active quinone mono 0,S-acetal bearing a pentafluorophenylthio group", page 1077 - page 1080, page 1079, 3k, 3o, 3p	10
	<del></del>	
X	Tetrahedron Letters, Vol. 42, no. 31, 2001, Ulrike Hary et al: "Efficient synthesis of 3-(4,5-dihydro-1H-imidazole-2-yl)-1H-indoles", page 5187 - page 5189, RN 227803-35-2	10
·		
х	J. Org. Chem., Vol. 61, no. 5, 1996, Pierre Hamel et al: "Regioselective Synthesis of Mixed Indole 2,3-Bis(sulfides). A Study of the	10
-	Mixed Indole 2,3-513(suffices), Mechanism of the Second sulfenylation of Indole", page 1573 - page 1577, 3a, 3c	·
1	T/ISA/210 (continuation of second sheet) (July 1998)	

International application No.
PCT/SE 03/00856

	TO CHARRIES CONSIDERED TO BE RELEVANT	
<del></del>	ation). DOCUMENTS CONSIDERED TO BE RELEVANT  Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
ategory*	Citation of document, with indication, where appropriate, or the recommendation of the citation of document, with indication, where appropriate, or the recommendation of the citation of the	•
X	EP 0530907 A1 (MERCK & CO. INC.), 10 March 1993 (10.03.93), RN 56366-45-1, 148900-60-1	10
x	WO 9516687 A1 (ABBOTT LABORATORIES), 22 June 1995 (22.06.95), RN 32884-74-5, page 35, no. 44	10
	(22.06.95), RN 32884-74-5, page 35, No. 11	
<b>x</b>	WO 9419321 A1 (MERCK & CO., INC.), 1 Sept 1994 (01.09.94), RN 148900-60-1, 56366-45-1, page 19, line 1 - line 10, page 40, XV, Table I, Table IV-A, Table VII	10
,		
x	EP 0576347 A1 (ELF SANOFI), 29 December 1993 (29.12.93), RN 156233-81-7	10
A	EP 1170594 A2 (PFIZER PRODUCTS INC.), 9 January 2002 (09.01.02), page 22, 1ine 6 - line 21; page 34, figure 10B(C)	1-11
<b>A</b> .	GB 1356834 A (IMPERIAL CHEMICAL INDUSTRIES LIMITED), 19 June 1974 (19.06.74)	1-11
	<del></del>	
A	STN International, File CHEMCATS, CHEMCATS accession no. 2000:1027702, 26 April 2001, 8004-3013, 1H-Indole-1-acetic acid, 2-methyl-3-(phenylthio)-, ethyl ester <sup>u</sup> , CAS Registry No. 300860-50-8	1-5
	<b></b>	
A	STN International, File CAPLUS, CAPLUS accession no. 1983:488557, Document no. 99:88557, Luescher, Immanuel F. et al: "Deblocking of o-nitrophenylsulfenyl-protected peptides by ammonium thiocyanate and (2-methyl-2-indolyl)acetic acid"; Helv. Chim. Acta (1983), 66(2), 602-5	1-5

International application No. PCT/SE03/00856

Box I	Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)
	rnational search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
This inte	marional scale reporting /
1. 🛛	Claims Nos.: 7,8 because they relate to subject matter not required to be searched by this Authority, namely:
	see next page
2. 🔀	Claims Nos.: 9,10 because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
	Formula (II) in claim 9 cannot be correct because "S" is missing between "R3" and the ring. Therefore, the search on claims 9 and 10 is based on formula (II) in the description page 7, line 1-
3.	Line 4.  Claims Nos.:  because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box II	Observations where unity of invention is lacking (Continuation of item 2 of first sheet)
	ernational Searching Authority found multiple inventions in this international application, as follows:
This Int	ernational Searching Additionly round interpretation
	$\cdot$
1.	As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
_	As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment
2.	-formedditional fee.
3.	As only some of the required additional search fees were timely paid by the applicant, this international search report
	covers only those claims for which fees were paid, specifically claims Nos.:
•	
•	
4.	No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:
Rema	rk on Protest The additional search fees were accompanied by the applicant's protest.
	No protest accompanied the payment of additional search fees.

Form PCT/ISA/210 (continuation of first sheet (1)) (July1998)

International application No. PCT/SE03/00856

Claims 7,8 relate to methods of treatment of the human or animal body by surgery or by therapy/diagnostic methods practised on the human or animal body/Rule. 39.1(iv). Nevertheless, a search has been executed for these claims. The search has been based on the alleged effects of the compound/composition

Form PCT/ISA/210 (extra sheet) (July 1998)

#### INTERNATIONAL SEARCH REPORT Information on patent family members

nbers 26/07/0

International application No.
PCT/SE 03/00856

Paten cited in	t document search report		Publication date		atent family member(s)	date
	0530907	A1	10/03/93	AU	656615 B	09/02/95
EP	0530307	***	,,	UΑ	2216292 A	11/03/93
				CA	2077283 A	07/03/93
				EP	0678508 A	25/10/95
				ĨŁ	102982 D	00/00/00
				JP	2568361 B	08/01/97
				JP	5208910 A	20/08/93
	•			. NZ	244131 A	26/07/95
	•			ÜS	5527819 A	18/06/96
				MO	9305020 A	18/03/93
				ZA	9206708 A	28/04/93
						15 /02 /02
MO	9516687	A1	22/06/95	ΑT	212992 T	15/02/02
πU	,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,			UA	690620 B	30/04/98
				AU	1303695 A	03/07/95
	•			BR	1100809 A	23/11/99
				DE	69429827 D,T	21/11/02
				DK	734386 T	27/05/02
				EP	0734386 A,B	02/10/96
				SE	0734386 T3	
				ES	2173171 T	- 16/10/02
				ĪĹ	111963 D	00/00/00
				JP	9507474 T	29/07/97
			•	PT	734386 T	31/07/02
				ÜS	5486525 A	23/01/96
					6254294 A	14/09/94
WO	9419321	A1	01/09/94	AU	62089 B	26/02/99
				BG	99879 A	29/02/96
				BG	9405737 Å	05/12/95
				BR		01/09/94
				· CA	2156420 A	03/04/96
			•	CN	1119856 A	13/12/95
	<u> </u>			EP	0686148 A	
				FI	953954 A	23/08/95
			•	HU	74614 A	28/01/97
				HU	9502468 D	00/00/00
	•			JP	8507067 T	30/07/96
			·	МO	953308 A	24/10/95
			•	PL	175788 B	26/02/99
				PL	310410 A	11/12/95
				US	5527819 A	18/06/96
			20/12/02	CA	2098983 A	24/12/93
EP	0576347	Αl	29/12/93	FR	2692574 A,B	24/12/93
				HU	70188 A	28/09/95
				HU	9301840 D	00/00/00
				JP	6056776 A	01/03/94
					9303742 A	31/05/94
	•			MX	5401855 A	28/03/95
				US	5508431 A	16/04/96
				US US	5567827 A	22/10/96
EP	1170594	A2	09/01/02	IL	144101 D	00/00/00
L	=		-	JP	2002098702 A	05/04/02
				US	2002022218 A	21/02/02

#### INTERNATIONAL SEARCH REPORT Information on patent family members

International application No. 26/07/03 | PCT/SE 03/00856

Pate cited ir	nt document search report		Publication date		Patent family member(s)	Publication date
	1356834	A	19/06/74	AR	198064 A	31/05/74
GB	1330034	•	20,00,00	AR	203626 A	30/09/75
				AR	203627 A	30/09/75
			•	ΑT	100174 A	15/06/75
				ΑT	100274 A	15/06/75
-			•	ΑT	320633 B	25/02/75
				AT	328431 B	25/03/76
				TA	328432 B	25/03/76
				AU	464145 B	14/08/75
				AU	4738172 A	11/04/74
				BE	790679 A	27/04/73
				CA	983932 A	17/02/76
				CH	577499 A	15/07/76
				CS	178120 B	31/08/77
				CS	178144 B	31/08/77
				DD	105611 A	05/05/74
				DE	2253927 A	10/05/73
				EG	11358 A	28/02/77
				ES	408226 A	01/02/76
				ES	437311 A	01/04/77
				FR	2158464 A,B	
				HU	169711 B	28/02/77
				IE	37998 B,L	07/12/77
•				IL	40521 A	25/06/75
				JP	48056667 A	09/08/73
	-			NL	7214807 A	07/05/73
				PH	10303 A	10/11/76
			-	SE	384856 B,C	24/05/76
•				SÙ	527135 A	30/08/76 <sup>-</sup>
				SU	57 <b>7</b> 980 A	25/10/77
				US	3884919 A	20/05/75
				บร	4012513 A	15/03/77
	•		•	ZA	7207007 A	27/06/73
				AT	100374 A	15/06/75
				ΑT	328433 B	25/03/76